

ABSTRACT

The invention is directed to a network-enabled appliance. The appliance may aid the remote monitoring of various measured data. The device may monitor a variable or set of variables and output the data upon request. In addition, the appliance may issue alarms, alerts, warning and other notifications when a variable matches a setpoint or undergoes a specified change, deviation, and/or fluctuation. Further the appliance may be operable to communicate with other appliances. The communication may comprise periodic pinging of peer appliances. In this manner, a peer appliance may detect a failure in other network-enabled appliances when an anticipated ping is not received. Further, the communication may enable the establishment of a directory of capabilities of various appliances. In this manner, a group of appliances may perform more complex behaviors by grouping resources. Further, a group of appliances may act to reestablish the behavior of a failed device.